FORM PTO-1449 (REV.7-80)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 500466.03

APPLICATION NO.

not yet assigned 10/7894

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S) Kie Y Ahn and Leonard Forbes

FILING DATE Concurrently herewith GROUP ART UNIT 2879

not yet assigned

			U.S	PATENT DOCUMENTS			
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE  IF APPROPRIATI
KG	АА	3,665,241	05/23/72	Spindt et al.	313	351	
K.G	AB	3,755,704	08/28/73	Spindt et al.	313	309	
K.G	AC	3,812,559	05/28/74	Spindt et al.	29	25	
K.6-	ΑD	3,954,523	05/04/76	Magdo et al.	438	409	
RE	ΑE	4,016,017	04/05/77	Aboaf et al.	438	441	
KG	AF	4,266,233	05/05/81	Bertotti et al.	257	271	
K.G	AG	4,652,467	03/24/87	Brinker et al.	427	246	
K.G	ΑН	4,857,161	08/15/89	Borel et al.	445	24	
K.C	Al	4,987,101	01/22/91	Kaanta et al.	438	619	
KG-	ΑJ	5,103,288	04/07/92	Dakamoto et al.	257	758	
K.6-	AK	5,142,184	8/25/92	Kane	313	309	
K-6-	AL	5,186,670	02/16/93	Doan et al.	445	24	
K.6-	АМ	5,194,780	3/16/93	Meyer	315	169.3	
RG	AN	5,229,331	07/20/93	Doan et al.	437	228	
K.6	АО	5,259,799	11/09/93	Doan et al.	445	24	
K.6-	AP	5,358,908	10/25/94	Reinbert et al.	438	20	٠
K.6.	AQ	5,372,973	12/13/94	Doan et al.	437	228	
K.G.	AR	5,430,300	07/04/95	Yue et al.	445	50	
K.G	AS	5,458,518	10/17/95	Lee	445	24	
KE	ΑТ	5,470,801	11/28/95	Kapoor et al.	438	471	
K.G	AU	5,473,222	12/05/95	Theony et al.	315	169.1	
K.G	A۷	5,483,067	01/09/96	Fujii et al.	250	338.3	
K.G	AW	5,529,524	06/25/96	Jones	445	24	
K.G	AX	5,569,058	10/29/96	Gnade et al.	445	24	

**EXAMINER** 

Karabi Guharay

DATE CONSIDERED

12/29/04

<sup>\*</sup> EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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ATTY, DOCKET NO. APPLICATION NO. 10 U.S. DEPARTMENT OF COMMERCE FORM PTO-1449 (REV.7-80) PATENT AND TRADEMARK OFFICE 500466.03 not vet assigned APPLICANT(S) Kie Y Ahn and Leonard Forbes INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) FILING DATE GROUP ART UNIT Concurrently herewith not vet assigned OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) Boswell, E.C. et al., "Polycrystalline silicon field emitters," J Vac Sci Technol. B 14(3):1910-1913, K.6-Chalamala, Babu R. et al., "Fed Up with Fat Tubes," IEEE Spectrum, pp. 42-51, April 1998 Huang, W.N. et al., "Photoluminescence in porous sputtered polysilicon films formed by chemical KG etching," Semicond. Sci. Technol. 12:228-233, 1997 Huang, W.N. et al., "Properties of chemically etched porous polycrystalline silicon deposited by r.f. RE sputtering," IEEE Hong Kong Electron Devices Meeting, pp. 21-24, 1996 Huq, S.E. et al., "Comparative study of gated single crystal silicon and polysilicon field emitters," J. W.6 Vac. Sci. Technol. B 15(6):2855-2858, 1997 Huq, S.E. et al., "Fabrication of Gated Polycrystalline Silicon Field Emitters," 9th International Vacuum K.G Microelectronics Conference, St. Petersburg, pp. 367-370, 1996 Kim, I.H. et al., "Metal FEAs on Double Layer Structure of Polycrystalline Silicon," 9th International K.G ΒZ Vacuum Microelectronics Conference, St. Petersburg, pp. 423-426, 1996 Kim, I.H. et al., "Fabrication of metal field emitter arrays on polycrystalline silicon," J. Vac. Sci. K.G Technol. B 15(2):468-471, 1997 Ku, T.K. et al., "Enhanced Electron Emission from Phosphorus-Doped Diamond-Clad Silicon Field W.G Emitter Arrays," IEEE Electron Device Letters 17(5):208-210, 1996 Lacher, F. et al., "Electron field emission from thin fine-grained CVD diamond films," Diamond and K.G Related Materials 6:1111-1116, 1997 Lazarouk, S. et al., "Electrical characterization of visible emitting electroluminescent Schottky diodes K.G based on n-type porous silicon and on highly doped n-type porous polysilicon," Journal of Non-Crystalline Solids 198-200:973-976, 1996 Lee, J.H. et al., "A New Fabrication Method of Silicon Field Emitter Array with Local Oxidation of KG Polysilicon and Chemical-Mechanical-Polishing," 9th International Vacuum Microelectronics Conference, St. Petersburg, pp. 415-418, 1996 Lee, K.R. et al., "Field emission behavior of (nitrogen incorporated) diamond-like carbon films," Thin K. G Solid Films 290-291:171-175, 1996 Litovchenko, V.G. et al., "Emission Properties of the Silicon Cathodes Coated with Doped Diamond-K.G Like Carbon Films," IEEE International Conf. On Plasma Science, p. 308, Abstract 7A02, 1997 Nunes de Carvalho, C. et al., "Improvement of the Ito-P Interface in a SI:H Solar Cells Using a Thin SiC СН Intermediate Layer", Mat. Res. Soc. Symp. Proc., 420:861-865, 1996 Pullen, S.E. et al., "Enhanced Field Emission from Polysilicon Emitters Using Porous Silicon," 9th KG International Vacuum Microelectronics Conference, St. Petersburg, pp. 211-214, 1996 Stevenson, I.C. et al., "Production of SiO2, Films Over Large Substrate Area by Ion-Assisted Deposition of SiO with a Cold Cathode Source", Soc. of Vac. Coaters, Proc. 36th Annual Tech. Conf., pp. 88-93, 1993 Uh, H.S. et al., "Enhanced Electron Emission and Its Stability from Gated Mo-polycide Field Emitters," K.G IEEE, pp. 713-716, 1997 Uh, H.S. et al., "Fabrication and Characterization of Gated n+ Polycrystalline Silicon Field Emitter K.G. Arrays," 9th International Vacuum Microelectronics Conference, St. Petersburg, pp. 419-422, 1996

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FORM PTO-1449 (REV.7-80)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

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Kie Y Ahn and Leonard Forbes

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GROUP ART UNIT not yet assigned

2879

INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)

		OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)				
KG	СМ	Uh, H.S., "Process design and emission properties of gated n+ polycrystalline silicon field emitter arrays for flat-panel display applications," J. Vac. Sci. Technol. B 15(2):472-476, 1997				
K.G	CN	Vaudaine, P. and Meyer, R., "Microtips Fluorescent Display," technical digest of IEDM 91, pp. 197-200, 1991				
	<del>-co</del> -	Zaidi, S.Z.A. et al., "Conduction Mechanisms in Co-Evaporated Mixed Mn/SioO, Thin Films", Journal of Materials Science, 32:3349-3353, 1997				
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12/29/04

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